

CLAIMS:

1. ~~A device for playing~~ and storing several disc-shaped data carriers with changing facility, in particular CDs, CD-ROMs, and DVDs, with a playback unit designed for playing the data carrier and consisting substantially of a base plate, a frame plate, and springs and dampers arranged therebetween, a turntable arranged on the frame plate and supporting the data carrier, and a tensioning device for the data carrier, with a stacking unit serving for the intermediate storage of several data carriers and a loading unit serving for the bidirectional transport of the data carrier between the stacking unit and the playback unit as well as for moving the data carrier into and out of the device,

~~characterized in that~~ a changing gear is provided which has two alternate drive outputs, the first drive output (2) being designed inter alia for the function of adjusting a control member (14) which can be moved further from an extreme position of the first drive output (2) by means of a further drive, with the result that an adjustment member (4) carries out the switching-over operation.

2. A device as claimed in claim 1, ~~characterized in that~~ a changing wheel (3) which is rotatably journaled about a drive wheel (9) on a pivoting lever (5) can be adjusted by means of an adjustment member (4) which is kept in or brought into a first end position by a spring (6), as a result of which the first output side (2) of the changing gear is in engagement.

3. A device as claimed in ~~one of the claims 1 and 2~~, ~~characterized in that the~~ spring (6) is constructed as a leg spring whose second leg (6b) is supported against a frame (10), whose turn or turns is/are supported on a mandrel (8) of the adjustment member (4), and whose first leg (6a) in said first end position is also supported against the adjustment member (4), such that the spring force acts with displacement effect on the adjustment member (4) from the second leg (6b) only, while the adjustment member (4) for the purpose of coupling the second output side of the changing gear by means of a control element (14), which acts on the first leg (6a) of the spring (6) and compensates the contact force thereof on the adjustment member (4), changes the balance of forces such that the spring force between the

control element (14) and the adjustment member (4) becomes greater than the spring force on the second leg (6b) and the frame (10), with the result that the adjustment member (4) moves towards the second end position until the second end position is reached, whereby the movement of the adjustment member (4) is blocked, whereas the first leg (6a) of the spring (6) is displaced further by the control element (14) and is thus lifted off the adjustment member (4) at point B.

4. A device as claimed in ~~any one of the claims 1 to 3~~ ^{wherein} ~~characterized in that~~ the coupling region between the first output member (2) and the control member (14) is constructed such that the first output member (2) and the control member (14) can move relative to one another in the direction of movement of the control member (14), and the resulting clearance space is utilized for coupling and uncoupling the first drive output side (2).

5. A changing gear, in particular for a device for playing and storing several disc-shaped data carriers, ~~characterized in that~~ ^{wherein} said changing gear has two alternate drive outputs, the first drive output (2) being designed inter alia for the function of adjusting a control member (14) which can be moved further from an extreme position of the first drive output (2) by means of a further drive, with the result that an adjustment member (4) carries out the switching-over operation.